

Dynamic Displays Class Syllabus

Elliott McCrory; Last Saved: 1/29/2021 10:39 AM

Items marked with an asterisk contain hands-on elements

1. Introduction *January 14 at 10AM and at 3PM*

- 1.1. Overview of the system
- 1.2. Security Considerations
- 1.3. The key aspects of the system
- 1.4. Maintenance

2. The Channel Selector *January 21, 3PM*

- 2.1. Installing the Channel Selector software on your PC*
- 2.2. Message security
- 2.3. Using the Channel Selector*

3. Images *January 28, 3PM*

- 3.1. Understanding images*
 - 3.1.1. Resolution
 - 3.1.2. JPEG Compression
 - 3.1.3. Portrait versus landscape
 - 3.1.4. Cropping, resizing, recompressing, ...
- 3.2. The Experiments Portfolio*

Zoom Meeting ID: 499 755 9358

Ask Elliott for the password

4. Web pages *February 4, 3PM*

- 4.1. Web pages are Dynamic Display content
 - 4.1.1. Limitations
- 4.2. Adding an existing web page*
 - 4.2.1. Adding YouTube content
- 4.3. Lists of channels
- 4.4. Creating entirely new content
- 4.5. Infrastructure: How web pages are shown

5. Adding PowerPoint presentations *February 11, 3PM*

- 5.1. Via YouTube*
- 5.2. Via the Experiment Portfolios*
- 5.3. Via Office Online*

6. The code base and the database *February 18, 3PM*

- 6.1. The Java code base
- 6.2. Database
- 6.3. Operating system consideration
- 6.4. Updating the software

7. Maintenance and Support; Emergency Messaging system *February 25, 3PM*

- 7.1. Configurations
- 7.2. Maintenance and support
 - 7.2.1. Roles and responsibilities
 - 7.2.2. Adding a new display, a new controller
- 7.3. Scripts for probing the system
- 7.4. The Emergency Message system